

50X1-HUM

SUPPLEMENT TO
REPORT NO.

THIS IS UNEVALUATED INFORMATION

ELECTRICAL PRODUCTS UNSATISFACTORY

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In spite of these indisputable successes in the improvement of quality, low-grade products are still released for the market, especially for everyday use. Serious defects are still permitted to occur in the production of electric bulbs, the most frequent of which are the following: discoloring of the bulb, loosening of the glue at the base, breaking off of the filament, blackening, etc. For instance, when 2,570 electric bulbs of 220 volts were checked recently, 96 of them were found to be defective, including 56 discolored bulbs. Some of the plugs for electric irons are found to be nonuniform, being thinner or thicker than standard size and thus not fitting all irons.

At certain commercial enterprises, it has been found that some of the switches which hang from ceiling fixtures, and switches on table lamps develop defects after being in use for only a short period. Elsewhere, it has been found that the switches for covered and open electrical installations, and ordinary and multiphase selective switches, do not make contact, or get out of order quickly. The screws for the wires and those which hold the parts together are either too thick and do not fit the sockets, or too thin and cannot be fastened tightly enough in the sockets. There are also electric switches the metal parts of which are so soft that they cannot be fastened to the wire. In some hanging sockets the threads are so unsatisfactory that they are unfit for use.

Badly welded sockets of the "Zenit" type have been found which make poor contacts, resulting in burning and sparking. The screws for the conductor are either too thin or too thick and cannot fit the sockets. Some socket covers cannot stay attached to the sockets because of the thinness of the screw or a badly made incision. There have also been rare cases of defective contacts on hot plates, or cases when the cast-iron plate also gets heated up. It often happens, too that the hot plates burn up quickly, or do not get hot at all because some of the conductors become loosened. The "U. Ts. 25" type protectors, which are made of bakelite, often remain without covers because the bakelite breaks off when the nut is screwed tightly. The shaping of the covers for "25 A" protectors is poorly done. Often, the covers cannot be fitted easily onto the contact plug, causing them to break.

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